THE AMERICAN JOURNAL OF ROENTGENOLOGY AND RADIUM THERAPY

[FOUNDED IN 1906 AS THE AMERICAN QUARTERLY OF ROENTGENOLOGY]

EDITED BY ARTHUR C. CHRISTIE, M.D.

VOLUME XV

1926

JANUARY TO JUNE

PAUL B. HOEBER, INC., PUBLISHERS
NEW YORK MCMXXVI

COPYRIGHT, 1926
BY PAUL B. HOEBER, INC.

med.
Direct

CONTENTS OF VOLUME XV

ORIGINAL ARTICLES

Dosage Study Relative to the Therapeutic Use of Unfiltered Radon	*G. Failla, D.Sc.* and *Others*	1
The Treatment of Epithelioma of the Penis with Radium and Roentgen Rays	*Archie L. Dean, Jr., M.D.*	36
Malignant Tumors of the Testicle; Diagnosis, Prognosis and Treatment	*Edward L. Keyes, M.D.*	44
Complete Insulation Versus Grounding as Protection Against High Tension Electric Shocks	*William Francis Hemler, M.D.*	49
Roentgen-Ray Study of Bronchiectasis	*J. J. Singer, M.D.* and *E. A. Graham, M.D.*	54
Secondary Evidence of Gall-Bladder Disease	*Webster W. Belden, M.D.*	58
Demonstration of the Bronchial Tree by Intratracheal Injections of Lipiodol	*Henry W. Grady, M.D.*	65
New Devices for the Implantation and Removal of Radium Needles	*Henry Wachtel, M.D.*	76
A Mounting Card for Film Reductions	*E. G. C. Williams, M.D.*	78
Tissue Reactions to Radiation. Caldwell Lecture, 1925	*James Ewing, M.D.*	93
Fractional Roentgen Irradiation	*J. Douglas Morgan, M.D.*	115
Aneurysms of the Internal Carotid Artery and the Circle of Willis, from a Roentgenological Viewpoint	*Merrill C. Sosman, M.D.* and *Edward C. Vogt, M.D.*	122
Congenital Diaphragmatic Hernia with a Report of Seven Cases with Autopsies	*Arthur S. Unger, M.D.* and *Mortimer D. Speiser, M.D.*	135
Pyelitis in Pregnancy	*P. F. Butler, M.D.*	144
Complete Bilateral Duplication of Ureters and Renal Pelves	*Joseph T. McKinney, M.D.* and *Samuel B. Cary, M.D.*	149
Tuberculosis of the Sacroiliac Joint	*C. J. McCullough, M.D.*	150
Experimental Studies on the Biological Effects of Radium upon Tissues Growing in Vitro	*M. J. Sittenfield, M.D.*	155
A Convenient and Accurate Method of Measuring Roentgen-Ray Depth Dosage	*J. L. Weatherwax, M.A.*, *Robert A. Bradley, M.D.*, *David R. Bowen, M.D.* and *Eugene T. Leddy, M.D.*	169
An Instrument for Introducing Needles of Radium Salts	*O. L. Norsworthy, M.D.*	174
Physical and Biological Problems in Heliotherapy	*Ernst A. Poble, M.D.*	193
The Treatment of Intraoral Carcinoma by Contact Application of Radium	*G. W. Grier, M.D.*	201

Radium Emanation in the Treatment of Cancer of the Tongue and Other Parts of the Oral Cavity	*Frank Edward Simpson, M.D.* *Roy Emmert Flesher, M.D.*	204
An Investigation of the Results Obtained in Cancer of the Tongue Treated by Radium and Roentgen Rays	*Bernard F. Schreiner, M.D., F.A.C.S.* *Harold F. R. Brown, M.D.*	207
Curie Therapy of Epidermoid Carcinoma of the Intraoral Group as Carried Out at the Radium Institute, Paris	*Maurice Lenz, M.D.*	210
Roentgen Study of Five Hundred Children for Thymic Enlargement	*C. Winfield Perkins, M.D.*	216
A Method for Estimating the Size of the Thymus	*F. O. Coe, M.D.*	222
The Similarity of the Roentgen Findings in Multiple Myeloma and in Sporotrichosis	*Walter Altschul, M.D.*	224
The Roentgenographic Demonstration of the Trachea and Bronchi	*P. M. Hickey, M.D.* *A. C. Furstenberg, M.D.*	227
The Value and Safety of a Simplified Method of Pneumoencephalomyelography	*Frank Liberson, M.D.*	231
Traumatic Coxa Vara	*William Colin, M.D.*	242
An Apparatus for Stereoscopic Roentgenography of the Mastoids	*James B. Bullitt, M.D.*	256
Congenital Dislocation of the Hip	*Steele F. Stewart, M.D.* *Rolla G. Karshner, M.D.*	258
The Roentgen-Ray Diagnosis of Pedunculated Growths and Gastric Mucosa Prolapsing through the Pylorus: Review of the Literature	*Eldridge L. Eliason, M.D.* *Eugene P. Pendergrass, M.D.* *V. W. Murray Wright, M.D.*	295
Additional Roentgen-Ray Signs of Chronic Gastritis	*Anthony Bassler, M.D.*	323
Subacute Intestinal Obstruction with Unusual Dilatation of the Colon, Shown Roentgenologically	*Emanuel W. Lipschutz, M.D.*	326
Myositis Ossificans Progressiva. Case Report and Review of the Literature	*L. Freeland Magruder, M.D.*	328
Roentgen Treatment of Spontaneous, Post-Traumatic and Post-Operative Coccus Infections and Suppurations	*Professor Dr. Holzknecht*	332
Broad Ligament Extension in Carcinoma of the Cervix	*Chas. L. Martin, M.D.* *Fred. T. Rogers, Ph.D.*	336
Protection of Technical Assistants and of Those Handling Large Quantities of Radium or Radon	*Charles H. Viol, Ph.D.*	345
Dosage Tables as an Aid to the Simplification of Roentgen-Ray Technique by the Cross-Fire Method	*Walter L. Mattick, M.D.* *Wilhelm Stenström, Ph.D.*	360

A New Radium Applicator for the Treatment of Uterine Carcinoma	*G. E. Pfahler, M.D.*	365
A Study of the Human Pleura Pulmonalis: Its Relation to the Blebs and Bullae of Emphysema	*William Snow Miller, M.D., Sc.D.*	399
Lung Abscess from the Medical Standpoint	*Richard A. Kern, M.D.*	407
The Roentgen-Ray Diagnosis of Lung Abscess	*Henry K. Pancoast, M.D.*	410
Bronchoscopic Treatment of Lung Abscess	*Gabriel Tucker, M.D.*	419
Surgical Aspects of Lung Abscess	*George P. Muller, M.D.*	421
The Hilum in Tuberculosis	*A. G. Schnack, A.M., M.D.*	424
The Use of Iodized Oil (Lipiodol and Iodipin) in the Roentgen-Ray Diagnosis of Spinal Lesions	*Ernst A. Schmidt, M.D.*	431
The Radiation Treatment of Malignancy	*G. W. Grier, M.D.*	436
Graphical Methods of Calculation in Radium Therapy	*Donald S. Piston*	451
The Neoplastic Nature of Lymphatic Leucemia and Its Relation to Lymphosarcoma	*Wm. A. Evans, M.D.* *T. Leucutia, M.D.*	497
Study of Skin Reactions after Divided Roentgen-Ray Dosage	*Wilhelm Stenström, Ph.D.* *Walter L. Mattick, M.D.*	513
A New Method for the Stimulation of Endocrine Glands with Radium	*William Wolf, M.D., Sc.D., Ph.D.*	520
Lymphoblastoma (Hodgkin's Disease) of the Sternum	*Richard Dresser, M.D.*	525
Metastatic Carcinoma in Bone	*Joseph H. Luscinian, M.D.*	530
Diffuse Vertebral Metastasis of Prostatic Carcinoma without Bony Changes	*Walter M. Simpson, M.S., M.D.*	534
Roentgenologic Diagnosis of Benign and Malignant Gastric Tumors in One Patient	*Leo G. Rigler, M.D.*	542
Physical Measurements of Radiation and Their Application to Therapy	*J. L. Weatherwax, A.M.*	551